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## NOTICE OF ALLOWANCE AND FEE(S) DUE

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07/19/2010

BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747 EXAMINER
FANG, SHANE
ART UNIT PAPER NUMBER

DATE MAILED: 07/19/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/585,757	07/12/2006	Mikio Kasai	0171-1289PUS1	6043

TITLE OF INVENTION: AMINOQUINOXALINE COMPOUND, POLYAMINOQUINOXALINE COMPOUND, AND USE THEREOF

ĺ	APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
•	nonprovisional	NO	\$1510	\$300	\$0	\$1810	10/19/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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			AMINOQUINOXALINE					7
APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	E FEE	TOTAL FEE(S) DUE		
nonprovisional	NO	\$1510 •	\$300	\$0		\$1810	10/19/2010	
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FANG, S	SHANE	1796	528-423000					
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required.  3. ASSIGNEE NAME A	ND RESIDENCE DATA	" Indication form ted. Use of a Customer A TO BE PRINTED ON "	(1) the names of up to or agents OR, alternati (2) the name of a single registered attorney or 2 registered patent attorney in the patent attorney or the patent	vely, le firm (having as a agent) and the nam rorneys or agents. If printed.	memb es of u no nam	er a 2 p to le is 3	ocument has been filed fo	-
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BIRCH STEWART KOLASCH & BIRCH			FANG, SHANE		
PO BOX 747			ART UNIT	PAPER NUMBER	
FALLS CHURCH, VA 22040-0747			1796		
			DATE MAILED: 07/19/201	0	

### **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 605 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 605 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)
	10/585,757	KASAI ET AL.
Notice of Allowability	Examiner	Art Unit
	SHANE FANG	1796
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject to	plication. If not included will be mailed in due course. <b>THIS</b>
2. ☑ The allowed claim(s) is/are <u>1-9 and 11-35</u> .		
3.   Acknowledgment is made of a claim for foreign priority una  a)   All b)   Some* c)   None of the:  1.   Certified copies of the priority documents have  2.   Certified copies of the priority documents have  3.   Copies of the certified copies of the priority do  International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:	e been received. e been received in Application No	
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements
<ol> <li>A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give</li> </ol>		
5. CORRECTED DRAWINGS ( as "replacement sheets") mus	st be submitted.	
(a) including changes required by the Notice of Draftspers	son's Patent Drawing Review(PTO	-948) attached
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date	s Amendment / Comment or in the C	Office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t		
<ol> <li>DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT</li> </ol>		
Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	5. Notice of Informal F 6. Interview Summary Paper No./Mail Da	(PTO-413), te
<ol> <li>Information Disclosure Statements (PTO/SB/08),         Paper No./Mail Date</li></ol>	7. ☐ Examiner's Amendi 8. ☒ Examiner's Stateme 9. ☐ Other	ment Comment ent of Reasons for Allowance
/SHANE FANG/ Examiner, Art Unit 1796		

Application/Control Number: 10/585,757

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### **DETAILED ACTION**

## Response to Amendment

- The examiner apologizes for the delay of this action.
- The previous objections of claims 25 and 28-34 have been overcome by amendment for correcting informality.
- The previous ODP rejections of claims 21-24 over 10/588232 have been overcome by approved TD.

### Allowable Subject Matter

#### Reasons for Allowance

1. Claim 1-9 and 11-35 are allowable over the closest prior art: Nagasaki et al. (US 20030215701).

As to claims 1 and 21, Nagasaki al. discloses (0049):

and polyaminoquinoxalines with the following generic formula (Abs.) structurally different from the claimed invention in claims 21, wherein the quinoxaline moiety are one the main chain with –NH-R-NH- or -NH-R- (R can't be H, R<sup>5</sup> can be H):

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# Current claims 1 and 11-14 are represented by:

# Current claims 15-17 are represented by:

$$\mathbb{R}^1$$
 ,  $\mathbb{R}^2$  ,  $\mathbb{R}^3$  ,  $\mathbb{R}^4$  , wherein  $\mathbb{R}^1$  and  $\mathbb{R}^2$  ,  $\mathbb{R}^3$  and  $\mathbb{R}^4$  are

required to be joined together.

Therefore, claims 1, 11-17, and 21 are allowable together with its dependent claims 2-9, 18-20, and 22-35.

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### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SHANE FANG whose telephone number is (571)270-7378. The examiner can normally be reached on Mon.-Thurs. 8 a.m. to 6:30 p.m. EST.. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski can be reached on (571) 272-1302. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/RANDY GULAKOWSKI/ Supervisory Patent Examiner, Art Unit 1796